

=> fil reg
FILE 'REGISTRY' ENTERED AT 17:20:37 ON 18 SEP 2001
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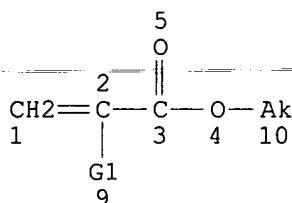
STRUCTURE FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5
DICTIONARY FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> d sta que 127
L16 STR



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VAR G1=H/M/ET  
NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
GGCAT IS HIC AT 10  
DEFAULT ECLEVEL IS LIMITED
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L25 SCR 970 AND 1312
L27 17783 SEA FILE=REGISTRY CSS FUL L16 AND L25

100.0% PROCESSED 285373 ITERATIONS 17783 ANSWERS
SEARCH TIME: 00.00.11

=> d his

(FILE 'HCAPLUS' ENTERED AT 16:24:20 ON 18 SEP 2001)
DEL HIS
E ROULIER V/AU
L1 19 S E4,E5
E QUEMIN E/AU
L2 8 S E4
L3 24 S L1,L2
E WO99-FR2361/AP, PRN
L4 1 S E3,E4
E FR98-12622/AP, PRN
L5 1 S E3,E4
L6 1 S L4,L5
E EP268164/PN
L7 1 S E3

L8 FILE 'REGISTRY' ENTERED AT 16:29:03 ON 18 SEP 2001
1 S 145687-02-1

L9 E PEMULEN/CN
2 S E6,E7
E CARBOPOL/CN
L10 1 S E6

FILE 'HCAPLUS' ENTERED AT 16:30:35 ON 18 SEP 2001
SEL RN L7

FILE 'REGISTRY' ENTERED AT 16:30:39 ON 18 SEP 2001
L11 4 S E1-E4
L12 STR
L13 50 S L12
L14 STR L12
L15 50 S L14 CSS
L16 STR L14
L17 39 S L16
L18 28 S L16 CSS

FILE 'HCAPLUS' ENTERED AT 16:35:17 ON 18 SEP 2001
L19 140 S L8
L20 237 S L9
L21 32 S L10
L22 272 S PEMULEN() (TR1 OR TR2 OR TR()) (1 OR 2))
L23 46 S (CARBOPOL OR CARBOMER) () 1382
L24 310 S L19-L23

FILE 'REGISTRY' ENTERED AT 16:36:43 ON 18 SEP 2001
L25 SCR 970 AND 1312
L26 50 S L16 AND L25 CSS
L27 17783 S L16 AND L25 CSS FUL
 SAV TEMP L27 ALYSIA555/A
L28 250 S L27 AND 1/NC
L29 57 S L28 AND PMS/CI
L30 51 S L29 NOT (N OR F)/ELS
L31 10 S L30 NOT HOMOPOLYMER
L32 5 S L31 NOT (DIMER OR TRIMER OR TETRAMER)
L33 5 S L31 NOT L32
L34 46 S L30 NOT L33

FILE 'HCAPLUS' ENTERED AT 16:44:40 ON 18 SEP 2001
L35 962 S L34
L36 1272 S L24,L35

FILE 'REGISTRY' ENTERED AT 16:45:08 ON 18 SEP 2001
L37 STR L16
L38 8355 S L37 FUL SUB=L27
 SAV L38 ALYSIA555A/A
L39 31 S L38 AND 2/NC
L40 29 S L39 NOT PROPANEDIOL

FILE 'HCAPLUS' ENTERED AT 16:48:07 ON 18 SEP 2001
L41 642 S L40
L42 1868 S L36,L41

FILE 'REGISTRY' ENTERED AT 16:49:05 ON 18 SEP 2001
L43 STR
L44 34 S L43 SAM SUB=L27
L45 562 S L43 FUL SUB=L27
 SAV L45 ALYSIA555B/A
L46 11 S L45 AND 2/NC

FILE 'HCAPLUS' ENTERED AT 16:50:16 ON 18 SEP 2001
L47 22 S L46
L48 1885 S L42,L47
L49 2 S L48 AND L3
L50 3 S L6,L7,L49

SEL RN

FILE 'REGISTRY' ENTERED AT 16:51:18 ON 18 SEP 2001

L51 21 S E5-E25
 L52 5 S L51 AND L8-L10,L11,L27
 L53 16 S L51 NOT L52
 L54 13 S L53 NOT UNSPECIFIED
 L55 9 S L54 NOT (S OR N)/ELS
 L56 3 S L55 NOT C2H4O
 L57 2 S L56 AND 2/NC

FILE 'HCAPLUS' ENTERED AT 16:54:20 ON 18 SEP 2001

L58 105 S L57
 L59 1978 S L58,L48
 L60 2 S L3 AND L59
 L61 3 S L50,L60
 L62 390 S L59 AND ?EMULS?
 L63 88 S L62 AND (SURFACTANT OR SURFACE ACTIVE)
 L64 1743 S L59 AND (PD<=19981008 OR PRD<=19981008 OR AD<=19981008 OR PY<
 L65 341 S L62 AND L64
 L66 78 S L63 AND L65
 E EMULSION/CT
 E E66+ALL
 L67 15494 S E3,E15,E16,E20,E21
 L68 2293 S E23
 L69 20 S L65 AND L67,L68
 L70 8 S L69 AND COSMETIC#/SC,SX,CW,BI
 L71 2 S L69 AND TRIETHANOLAMINE

FILE 'REGISTRY' ENTERED AT 17:01:15 ON 18 SEP 2001

L72 1 S 102-71-6

FILE 'HCAPLUS' ENTERED AT 17:01:22 ON 18 SEP 2001

L73 25 S L72 AND L64
 L74 56 S (TRIETHANOLAMINE OR TRIETHANOL AMINE OR TRI ETHANOLAMINE OR T
 L75 28 S L73,L74 AND L65
 L76 2 S L73,L74 AND L69
 L77 28 S L75,L76
 L78 24 S L77 AND COSMETIC#/SC,SX,CW,BI
 L79 30 S L70,L78
 L80 4 S L77,L71 NOT L79
 L81 20 S L64 AND L67,L68
 L82 78 S L65,L81 AND (SURFACTANT OR SURFACE ACTIVE)
 L83 27 S L82 AND COSMETIC#/SC,SX,CW,BI
 L84 10 S L83 AND SURFACTANT#/CW
 L85 17 S L83 NOT L84
 SEL DN 2 6 7 15 16 L85
 L86 12 S L85 NOT E1-E5
 L87 29 S L79 NOT BENZOTRIAZOL?
 L88 28 S L87 NOT BENZAZOLE
 SEL DN 1 14 16 19 27
 L89 5 S E6-E10
 L90 16 S L86,L89
 L91 18 S L6,L7,L50,L61,L90 AND L1-L7,L19-L24,L35,L36,L41,L42,L47-L50,L

FILE 'REGISTRY' ENTERED AT 17:20:37 ON 18 SEP 2001

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 17:20:55 ON 18 SEP 2001
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FILE COVERS 1947 - 18 Sep 2001 VOL 135 ISS 13
FILE LAST UPDATED: 17 Sep 2001 (20010917/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> d all hitstr tot 191

L91	ANSWER 1 OF 18	HCAPLUS	COPYRIGHT 2001 ACS
AN	2000:755204	HCAPLUS	
DN	133:325465		
TI	Whipped compositions containing amphiphilic polymers and anionic surfactants		
IN	Roulier, Veronique; Daubige, Therese		
PA	L'oreal, Fr.		
SO	Eur. Pat. Appl., 15 pp.		
	CODEN: EPXXDW		
DT	Patent		
LA	French		
IC	ICM A61K007-00		
	ICS A61K007-48; A61K007-06		
CC	62-4 (Essential Oils and Cosmetics)		
FAN.CNT 1			
	PATENT NO.	KIND	DATE
	-----	-----	-----
PI	EP 1046387	A1	20001025
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO		EP 2000-400778
	FR 2792545	A1	20001027
	FR 2792545	B1	20010601
	JP 2001019859	A2	20010123
	US 6251954	B1	20010626
PRAI	FR 1999-4968	A	19990420
AB	Whipped compns. contg. air or inert gases, amphiphilic polymers, and anionic surfactants with d. of 0.2-0.8 are disclosed. A cream with a light texture similar to a mousse contained apricot oil 10, sodium lauryl ether sulfate 2, cetyl alc. 2, sucrose stearate 5, Pemulen TR2 0.4, preservatives 1, and water q.s. 100%.		
ST	whipped cosmetic amphiphilic polymer anionic surfactant		
IT	Surfactants (anionic; whipped compns. contg. amphiphilic polymers and anionic surfactants)		
IT	Cosmetics (cleansing; whipped compns. contg. amphiphilic polymers and anionic surfactants)		
IT	Cosmetics (creams; whipped compns. contg. amphiphilic polymers and anionic surfactants)		
IT	Skin, disease (dry; whipped compns. contg. amphiphilic polymers and anionic surfactants)		
IT	Cosmetics		

(lipsticks; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Cosmetics
 (makeup removers; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Air
 Hair preparations
 (whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Mucopolysaccharides, biological studies
 Noble gases, biological studies
 Polymers, biological studies
 Polyurethanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT 79-06-1D, Acrylamide, alkyl derivs., polymers with acrylates and methacrylates 79-10-7D, Acrylic acid, polymers with alkylacrylamides and methacrylates 7664-93-9D, Sulfuric acid, salts, ethers 9004-34-6D, Cellulose, ethers 9004-82-4, Sodium lauryl ether sulfate 9057-02-7, Puliulan 11078-30-1, Galactomannan 28062-60-4, Acrylic acid-dodecyl methacrylate copolymer 75760-37-1, Methacrylic acid-ethyl acrylate-polyethylene glycol stearyl ether methacrylate copolymer 75760-38-2, Methacrylic acid-ethyl acrylate-polyethylene glycol lauryl ether acrylate copolymer 83120-95-0, Acrylic acid-1-vinyl-2-pyrrolidone-dodecyl methacrylate copolymer 109292-17-3, Methacrylic acid-ethyl acrylate-polyethylene glycol allyl stearyl ether copolymer 116464-16-5
145687-02-1, Pemulen TR2 211618-74-5,
 Methacrylic acid-ethyl acrylate-polyethylene glycol nonylphenyl ether acrylate copolymer 259661-95-5, Acrylic acid-vinyl isodecanoate copolymer 259665-23-1, Acrylic acid-polyoxyethylene monoitaconate stearyl ether copolymer
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (whipped compns. contg. amphiphilic polymers and anionic surfactants)

RE.CNT 9

RE

- (1) Ausimont Spa; EP 0864317 A 1998 HCPLUS
- (2) Caudet, A; US 5104643 A 1992 HCPLUS
- (3) Colgate-Palmolive; FR 1256438 A 1961
- (4) Fowler, T; US 5635469 A 1997
- (5) Monson, J; WO 9720626 A 1997 HCPLUS
- (6) Oreal; EP 0835647 A 1998 HCPLUS
- (7) Procter & Gamble; EP 0205306 A 1986 HCPLUS
- (8) Tyndale Plains Hunter Ltd; WO 9808884 A 1998 HCPLUS
- (9) Youngblood, E; US 3471624 A 1969 HCPLUS

IT **28062-60-4**, Acrylic acid-dodecyl methacrylate copolymer

145687-02-1, Pemulen TR2 259661-95-5
 , Acrylic acid-vinyl isodecanoate copolymer

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (whipped compns. contg. amphiphilic polymers and anionic surfactants)

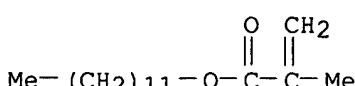
RN 28062-60-4 HCPLUS

CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

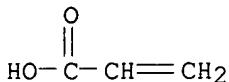
CRN 142-90-5

CMF C16 H30 O2



CM 2

CRN 79-10-7
 CMF C3 H4 O2



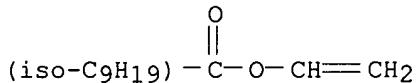
RN 145687-02-1 HCPLUS
 CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259661-95-5 HCPLUS
 CN Isodecanoic acid, ethenyl ester, polymer with 2-propenoic acid (9CI) (CA INDEX NAME)

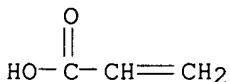
CM 1

CRN 7748-27-8
 CMF C12 H22 O2
 CCI IDS
 CDES 8:ID,ISO



CM 2

CRN 79-10-7
 CMF C3 H4 O2



L91 ANSWER 2 OF 18 HCPLUS COPYRIGHT 2001 ACS
 AN 2000:259955 HCPLUS
 DN 132:269833
 TI Stable oil-in-water emulsion, containing carboxylic acid polymers for use in cosmetics and dermatology
 IN Roulier, Veronique; Quemin, Eric
 PA L'Oreal, Fr.
 SO PCT Int. Appl., 13 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 IC ICM A61K007-00
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
PI WO 2000021491	A1	20000420	WO 1999-FR2361	19991004 <--
W: BR, CA, JP, KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				

FR 2784310 A1 20000414 FR 1998-12622 19981008 <--
 FR 2784310 B1 20001110
 EP 1047372 A1 20001102 EP 1999-946286 19991004 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 BR 9915585 A 20010703 BR 1999-15585 19991004 <--

PRAI FR 1998-12622 A 19981008 <--
 WO 1999-FR2361 W 19991004 <--

AB The invention concerns an **emulsion** comprising an oily phase dispersed in an aq. phase, characterized in that the oily phase globules have an av. size less than 20 .mu.m, the oily phase constitutes at least 15 wt. % relative to the **emulsion** total wt. and the aq. phase contains at least a copolymer consisting of a majority fraction of C3-C6 carboxylic acid monomer with mono-olefin unsatn. or its anhydride and a minority fraction of an acrylic acid fatty chain ester monomer, and is **surfactant-free**. The invention also concerns the use of said **emulsion** in **cosmetics** and/or dermatol., in particular for the treatment, protection, care and/or cleaning of the skin, mucous membranes and/or hair, and/or as make-up for the skin and/or mucous membranes. The invention further concerns a method for prep. said **emulsion**, which consists in introducing under pressure the oily phase into the aq. phase contg. the copolymer, through a porous hydrophilic glass membrane having an av. pore size ranging from 0.1 to 5 <mm and preferably from 0.3 to 3 <mm, under pressure higher than crit. pressure. An **emulsion** contained **Pemulen TR2** 0.75, **triethanolamine** 0.75, preservatives 0.2, volatile silicone oil 20, and water q.s. 100%.

ST stability **cosmetic emulsion** carboxylic acid polymer

IT **Cosmetics**

(cleansing; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT **Cosmetics**

(**emulsions**; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Carboxylic acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hydroxy, polymers; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT **Cosmetics**

(makeups; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Antioxidants

Gelation agents

Perfumes

Pigments, nonbiological

Preservatives

Solvents

Sunscreens

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Acrylic polymers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Acids, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT 145687-02-1, **Pemulen TR2**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

RE

(1) L'Oreal; FR 2693733 A 1994 HCPLUS

IT 145687-02-1, Pemulen TR2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(stable oil-in-water emulsion, contg. carboxylic acid
polymers for use in cosmetics and dermatol.)

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 3 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1999:355710 HCPLUS

DN 131:9468

TI Water-in-oil dermo-cosmetic composition free of
emulsifying surfactants

IN Coutelle, Herve; Ginestar-Gonzalez, Jose; Fabre, Jean-Pierre

PA Pierre Fabre Dermo-Cosmetique, Fr.

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9926587	A1	19990603	WO 1998-FR2507	19981124 <--
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2771293	A1	19990528	FR 1997-14713	19971124 <--

PRAI FR 1997-14713 19971124 <--

AB The invention concerns a novel dermo-cosmetic compn. in the form
of a water-in-oil emulsion, stable and free of
emulsifying agent, and comprising at least a lipophilic agent with
a HLB .ltoreq.3. A sunscreen contained isododecane 1, capric/caprylic
triglyceride 1, PEG 45/dodecyl glycol copolymer 0.01, hydroxylated
triglycerides 0.1, Pemulen TR1 0.01, xanthan gum 0.05,
titanium dioxide 1, zinc oxide 1, cinnamic esters 0.1, dibenzoyl methane
0.05, free radical inhibitors 0.01, preservatives, fragrances, sodium
hydroxide and water q.s., 100%.

ST cosmetic compn emulsifier surfactant

sunscreen triglyceride

IT Shaving preparations

(aftershave; water-in-oil dermo-cosmetic compn. free of
emulsifying surfactants)

IT Cosmetics

(emollients; water-in-oil dermo-cosmetic compn. free of
emulsifying surfactants)

IT Cosmetics

(emulsions; water-in-oil dermo-cosmetic compn. free
of emulsifying surfactants)

IT Cosmetics

(lotions; water-in-oil dermo-cosmetic compn. free of
emulsifying surfactants)

IT Perfluoro compounds

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(perfluoroalkyl ethers, poly, methyl-iso-Pr; water-in-oil dermo-
cosmetic compn. free of emulsifying
surfactants)

IT Ethers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(perfluoroalkyl, poly, methyl-iso-Pr; water-in-oil dermo-

cosmetic compn. free of emulsifying surfactants)

IT Fats and Glyceridic oils, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (vegetable; water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)

IT Humectants
 Sunscreens
 (water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)

IT Glycerides, biological studies
 Paraffin oils
 Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)

IT 105-62-4, Propylene glycol dioleate 18641-57-1, Tribehenin 25637-84-7,
 Glyceryl dioleate 99880-64-5, Glyceryl dibehenate
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)

RE.CNT 3

RE

- (1) Pierre Fabre Dermo-Cosmetique; WO 9512381 A 1995 HCPLUS
- (2) Pola Chem Ind; JP 61037710 A 1986 HCPLUS
- (3) Unilever; EP 0150914 A 1985 HCPLUS

L91 ANSWER 4 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1998:650918 HCPLUS

DN 129:335509

TI Storage-stable oil-in-water emulsions containing modified carboxyvinyl polymers and acetylated hyaluronic acid

IN Tokue, Wataru; Nishiyama, Seiji

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS A61K007-48; B01F017-52; B01F017-56; B01J013-00; A61K047-36

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI JP 10265332 A2 19981006 JP 1997-93105 19970326 <--

AB The title emulsions, useful for cosmetics, contain alkyl-modified carboxyvinyl polymers 0.005-1, oils 0.1-50, and acetylated hyaluronic acid (the degree of substitution of acetyl groups per constituent unit is 2-4) 0.0001-10 wt.%. The emulsions may not substantially contain surfactants. A compn. contg. liq. paraffin 10.0, squalane 3.0, alkyl-modified carboxyvinyl polymer (Pemulen TR 2) 0.3, KOH 0.1, acetylated hyaluronic acid (acetylation degree 3.5) 0.2, glycerin 5.0, EtOH 5.0, methylparaben 0.1, and H2O to 100 wt.% was stable at 50.degree. for 1 mo without oil sepn.

ST cosmetic emulsion stability carboxyvinyl polymer hyaluronate; acetylated hyaluronic acid cosmetic emulsion stability

IT Vinyl polymers

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);

BIOL (Biological study); USES (Uses)

(carboxy-contg., alkyl-modified; storage-stable oil-in-water cosmetic emulsions contg. alkyl-modified carboxyvinyl

polymers and acetylated hyaluronic acid)

IT Cosmetic emulsions
 (storage-stable oil-in-water cosmetic emulsions
 contg. alkyl-modified carboxyvinyl polymers and acetylated hyaluronic acid)

IT 96827-24-6, Carbopol 1342 138789-85-2, Pemulen
 TR 1 145687-02-1, Pemulen TR
 2 158254-23-0
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
 BIOL (Biological study); USES (Uses)
 (storage-stable oil-in-water cosmetic emulsions
 contg. alkyl-modified carboxyvinyl polymers and acetylated hyaluronic acid)

IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
 BIOL (Biological study); USES (Uses)
 (storage-stable oil-in-water cosmetic emulsions
 contg. alkyl-modified carboxyvinyl polymers and acetylated hyaluronic acid)

RN 138789-85-2 HCAPLUS
 CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1998:219619 HCAPLUS

DN 128:286212

TI Copolymer for cosmetic compositions with reduced transfer and migration

IN Favre, Sophie; Terren, Nadia; Michelet, Jacques

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA French

IC ICM A61K007-48

ICS A61K007-02

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38, 39, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 832645	A1	19980401	EP 1997-402143	19970916 <--
	EP 832645	B1	19990714		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	FR 2753625	A1	19980327	FR 1996-11512	19960920 <--
	FR 2753625	B1	19981023		
	ES 2136462	T3	19991116	ES 1997-402143	19970916 <--
	CA 2214892	AA	19980320	CA 1997-2214892	19970919 <--
	JP 10101521	A2	19980421	JP 1997-255765	19970919 <--
	JP 3073470	B2	20000807		
	BR 9702898	A	19990223	BR 1997-2898	19970919 <--
PRAI	FR 1996-11512	A	19960920		<--

AB The title copolymer, which is eventually crosslinked, contains a major fraction of C3-6 monoolefinically unsatd. carboxylic acid or its anhydride and a minor fraction of a fatty acrylate; the polymer is used in cosmetic, dermatol., hygienic, and/or pharmaceutical compns. to limit, decrease, or suppress transfer and/or migration of the compn. Thus, an emulsion contg. Pemulen TR2 (a C10-30 alkyl acrylate copolymer), a crosslinked poly(2-acrylamido-2-

methylpropanesulfonic acid) ammonium salt, Q2-1403 (PDMS), and pigments was prep'd. which exhibited excellent non-transfer properties in testing the transfer of the **cosmetic** compn. to a polyester tissue.

Addn. of .1toreq.10% apricot oil to the **emulsion** did not affect the excellent non-transfer properties.

ST **cosmetic** compn reduced transfer migration; dermatol compn reduced transfer migration; pharmaceutical compn reduced transfer migration; hygienic compn reduced transfer migration; fatty acrylate copolymer **cosmetic** compn

IT Fatty alcohols

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(acrylates, polymers; fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)

IT Oil-in-water emulsions

Water-in-oil emulsions

(**cosmetic**; fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)

IT Makeups

(eye liners; fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)

IT Cosmetic emulsions

Cosmetic gels

Cosmetics

Eye shadows

Foundations (**cosmetics**)

Lipsticks

Makeups

Mascaras

Nail polishes

Skin cleansers

Sunscreens

Suntanning agents

Topical drug delivery systems

(fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)

IT 79-10-7D, Acrylic acid, fatty alkyl esters, polymers 121601-24-9, 2-Acrylamido-2-methylpropanesulfonic acid homopolymer ammonium salt 138757-67-2, Carbopol 980 **145687-02-1, Pemulen**

TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)

IT **145687-02-1, Pemulen TR 2**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)

RN **145687-02-1 HCPLUS**

CN **Pemulen TR 2 (9CI) (CA INDEX NAME)**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 6 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1998:21371 HCPLUS

DN **128:106234**

TI Use of derivatives of succinic anhydrides in skin cleansing composition

IN Simon, Pascal; Bollens, Eric; Gagnebien, Didier

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA French

IC ICM A61K007-06

ICS A61K007-48; A61K007-02; A61K007-50
 CC 62-4 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 813860	A1	19971229	EP 1997-401116	19970521 <--
	EP 813860	B1	19990203		
	R: DE, ES, FR, GB, IT				
	FR 2750044	A1	19971226	FR 1996-7777	19960621 <--
	ES 2130869	T3	19990701	ES 1997-401116	19970521 <--
	JP 10059822	A2	19980303	JP 1997-163080	19970619 <--
	JP 2928203	B2	19990803		
	US 5993793	A	19991130	US 1997-878765	19970619 <--
PRAI	FR 1996-7777		19960621 <--		
AB	Derivs. of succinic anhydrides are useful for use in the skin cleansing compns. A make-up remover contained ethyl-2-hexylpalmitate 15, a mixt. of succinic anhydride derivs. 1.5, Pemulen TR2 0.7, triethanolamine 0.5, preservatives 0.2, perfume 0.3, and water q.s. 100%.				
ST	succinic anhydride deriv skin cleansing compn				
IT	Bath preparations				
	(gels; use of derivs. of succinic anhydrides in skin cleansing compn.)				
IT	Cosmetics				
	Makeups				
	(makeup removers; use of derivs. of succinic anhydrides in skin cleansing compn.)				
IT	Cosmetic emulsions				
	Cosmetic gels				
	Lotions (cosmetics)				
	Shampoos				
	(use of derivs. of succinic anhydrides in skin cleansing compn.)				
IT	Esters, biological studies				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(use of derivs. of succinic anhydrides in skin cleansing compn.)				
IT	201354-17-8	201354-18-9	201354-19-0		
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(use of derivs. of succinic anhydrides in skin cleansing compn.)				

L91 ANSWER 7 OF 18 HCPLUS COPYRIGHT 2001 ACS
 AN 1997:648494 HCPLUS
 DN 127:311375
 TI Oil-in-water **emulsions** containing alkyl-modified carboxyvinyl polymers
 IN Watanabe, Hiroshi; Kanokogi, Hiroyuki; Ito, Kenzo
 PA Shiseido Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-00
 ICS A61K009-107; A61K047-32; B01F017-52; B01J013-00
 CC 62-4 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09255529	A2	19970930	JP 1996-93186	19960323 <--
AB	The emulsions contain (A) alkyl-modified carboxyvinyl polymers and (B) oily components which are solid at room temp., and show no. av. particle size of the oily components in the emulsified state < 1.mu.m. The compns. give moisturized texture to skin and show low-temp. stability although they contain no surfactants . A mixt. contg. liq. paraffin, dimethylpolysiloxane, stearyl alc, and stearic acid was emulsified with an aq. compn. contg. Pemulen TR-1 , Carbopol 941, KOH, glycerin, EtOH, and p-HOC ₆ H ₄ CO ₂ Me using a				

ST homomixer or nanomizer to give an **emulsion**.
 IT cosmetic **emulsion** alkyl modified carboxyvinyl polymer
 IT Vinyl polymers
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (carboxy-contg., alkyl-contg.; particle size-controlled oil-in-water
emulsions contg. alkyl-modified carboxyvinyl polymers)
 IT Cosmetic emulsions
 Particle size
 Thickening agents
 (particle size-controlled oil-in-water **emulsions** contg.
 alkyl-modified carboxyvinyl polymers)
 IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (particle size-controlled oil-in-water **emulsions** contg.
 alkyl-modified carboxyvinyl polymers)
 IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (particle size-controlled oil-in-water **emulsions** contg.
 alkyl-modified carboxyvinyl polymers)
 RN 138789-85-2 HCPLUS
 CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 8 OF 18 HCPLUS COPYRIGHT 2001 ACS
 AN 1997:516308 HCPLUS

DN 127:123291

TI Copolymers of carboxylic acids and polyunsaturated carboxylic acid derivatives and their use as thickeners and dispersants

IN Schade, Christian; Wekel, Hans-Ulrich; Sanner, Axel; Sperling, Karin

PA BASF A.-G., Germany; Schade, Christian; Wekel, Hans-Ulrich; Sanner, Axel; Sperling, Karin

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM C08F220-04

CC 46-3 (Surface Active Agents and Detergents)

Section cross-reference(s): 35, 62, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9721744	A1	19970619	WO 1996-EP5522	19961211 <--
	W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19546698	A1	19970619	DE 1995-19546698	19951214 <--
	CA 2237058	AA	19970619	CA 1996-2237058	19961211 <--
	AU 9711926	A1	19970703	AU 1997-11926	19961211 <--
	EP 866814	A1	19980930	EP 1996-943078	19961211 <--
	EP 866814	B1	20000322		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	CN 1204345	A	19990106	CN 1996-198966	19961211 <--
	JP 2000501760	T2	20000215	JP 1997-521732	19961211 <--
	ES 2144799	T3	20000616	ES 1996-943078	19961211 <--
	US 6015551	A	20000118	US 1998-77598	19980602 <--
PRAI	DE 1995-19546698	A	19951214 <--		

WO 1996-EP5522 W 19961211 <-

AB The copolymers are obtained by radically initiated polymn. of (A) 70-99.9 wt.% olefinically unsatd. C3-5 monocarboxylic acid(s) and/or olefinically unsatd. C4-8 dicarboxylic acid(s) or anhydride(s) with (B) 0.1-30 wt.% .gt;req.1 carboxylic acid derivs. QY(CHR3CH2X)nR4 [Q = CH2:CH, CH2:CHCH2, R2CH:CR1CO; R1, R2 = H, Me; R3 = H, Me, Et; R4 = olefinically unsatd. nonarom. C6-30 hydrocarbyl or C9-15 arylalkylene; X = O, NH; Y = O, NR (R = H, alkyl); n = 0-50] and (C) 0-29.9 wt.% other unsatd. monomers. The copolymers serve as thickeners and/or dispersants in aq. systems, esp. in cosmetic or pharmaceutical compns. Thus, 250 g acrylic acid and 10 g oleyl methacrylate were copolymerd. at 80.degree. in MeCCl3; a dispersion of 1.0 g of the copolymer (I) in 190 mL water, neutralized with 10 mL 10% triethanolamine, gave a gel with viscosity 10.0 Pa-s at 23.degree.. An emulsion formed from 0.4 g I, 30 mL paraffin oil, 100 mL water, and 4 mL 10% triethanolamine showed no signs of sepn. after 14 days.

ST carboxylic acid copolymer emulsifier; cosmetic formulation polymeric dispersant; pharmaceutical formulation polymeric dispersant; oleyl methacrylate crosslinking agent

IT Dispersing agents
Emulsifying agents

Thickening agents
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

IT Cosmetic gels
Drugs
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants for)

IT Crosslinking agents
(oleyl methacrylate; copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

IT 192649-32-4P, Acrylic acid-oleyl methacrylate copolymer 192649-33-5P
192649-34-6P, Acrylic acid-allyl oleyl ether copolymer
192649-35-7P, Acrylic acid-oleyl acrylate copolymer
192649-36-8P, Acrylic acid-oleyl methacrylate-stearyl methacrylate copolymer 192649-37-9P, Acrylic acid-1-octadecene-oleyl methacrylate-stearyl methacrylate copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

IT **192649-35-7P**, Acrylic acid-oleyl acrylate copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

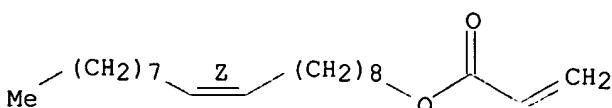
RN 192649-35-7 HCPLUS

CN 2-Propenoic acid, polymer with (Z)-9-octadecenyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

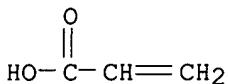
CRN 13533-18-1
CMF C21 H38 O2
CDES 2:Z

Double bond geometry as shown.



CM 2

CRN 79-10-7
CMF C3 H4 O2



L91 ANSWER 9 OF 18 HCPLUS COPYRIGHT 2001 ACS
 AN 1997:226036 HCPLUS
 DN 126:216466
 TI Light-stable emulsion compositions containing carboxyvinyl polymers for cosmetics
 IN Hosokawa, Kinya; Nishama, Seiji
 PA Shiseido Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM B01F017-52
 ICS A61K007-00; A61K007-02; A61K009-107; A61K047-02; A61K047-32;
 B01F017-34
 CC 62-4 (Essential Oils and Cosmetics)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09019632	A2	19970121	JP 1995-169114	19950704 <--

AB Title compns., which show stability against light without surfactants, contain alkyl-modified carboxyvinyl polymers and metaphosphoric acid and/or its salts. A cleansing lotion was prep'd. from squalane 10.0, iso-Pr palmitate 5.0, vaseline 3.0, di-Me polysiloxane 2.0, alpha.-tocopherol 0.3, triethanolamine 0.25, polyethylene glycol 8.0, Me p-hydroxybenzoate 0.1, Na hexametaphosphate 0.1, Carbopol 1342 0.3, hydroxypropyl Me cellulose 0.1, and H2O to 100 wt.%.

ST emulsion cosmetic carboxyvinyl polymer metaphosphate

IT Vinyl polymers
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (carboxy-contg., alkyl-modified; light-stable emulsions
 contg. carboxyvinyl polymers and metaphosphates for cosmetics
)

IT Cosmetic emulsions
 (light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)

IT Sodium polyphosphates
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)

IT 10343-62-1, Metaphosphoric acid 50813-16-6, Sodium polymetaphosphate
 96827-24-6, Carbopol 1342 138789-85-2, Pemulen
 TR 1 145687-02-1, Pemulen TR
 2
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)

IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)

RN 138789-85-2 HCPLUS
 CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS
 CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 10 OF 18 HCPLUS COPYRIGHT 2001 ACS
 AN 1997:207123 HCPLUS

DN 126:203583

TI Stable emulsion compositions containing carboxyvinyl polymers for cosmetics

IN Hosokawa, Kinya; Watanabe, Hiroshi; Nishama, Seiji

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B01F017-52

ICS A61K007-00; A61K007-02; A61K009-107; A61K047-32; B01F017-38

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 09019631 A2 19970121 JP 1995-169113 19950704 <--

AB Title compns., which show stability without surfactants, contain alkyl-modified carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone). A cleansing lotion was prep'd. from squalane 10.0, iso-Pr palmitate 5.0, vaseline 3.0, di-Me polysiloxane 2.0, .alpha.-tocopherol 0.3, triethanolamine 0.25, polyethylene glycol 8.0, Me p-hydroxybenzoate 0.1, Na metaphosphate 0.1, poly(vinylpyrrolidone) 0.1, Carbopol 1342 0.3, hydroxypropyl Me cellulose 0.1, and H2O to 100 wt.%.

ST emulsion cosmetic carboxyvinyl polymer

polyvinylpyrrolidone; polyvinyl alc emulsion cosmetic

IT Vinyl polymers

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(carboxy-contg., alkyl-modified; stable emulsions contg.

carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics)

IT Cosmetic emulsions

Emulsions

(stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics)

IT 9002-89-5, Poly(vinyl alcohol) 9003-20-7, Poly(vinyl acetate)

9003-39-8, Poly(vinylpyrrolidone) 96827-24-6, Carbopol 1342

138789-85-2, Pemulen TR 1

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics)

IT 138789-85-2, Pemulen TR 1

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics)

RN 138789-85-2 HCPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 11 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1996:641087 HCPLUS

DN 125:256812

TI Stable cosmetic emulsions containing carboxyvinyl polymers and vinylpyrrolidone-.alpha.-olefin copolymers

IN Hiraiwa, Hiromi; Ito, Kenzo; Terai, Hideo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS C08L033-10; C08L039-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 08217628 A2 19960827 JP 1995-31194 19950220 <--

AB The emulsions, which are mild to skin and show good water resistance and skin-protecting effect, contain alkyl-modified carboxyvinyl polymers and poly(vinylpyrrolidone)-.alpha.-olefin copolymers. The emulsions do not practically contain surfactants. A cosmetic emulsion contg. 2 wt.% Antaron V 220 (vinylpyrrolidone-eicosene copolymer) 0.2 wt.% Pemulen TR 1 (alkyl-modified carboxyvinyl polymer), etc. was stable at 50.degree. for 1 mo.

ST carboxyvinyl polymer vinylpyrrolidone copolymer cosmetic emulsion

IT Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(carboxy-contg., polymers, stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

IT Cosmetics

(emulsions, stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

IT 28211-18-9, Antaron V 220 32440-50-9, Antaron V 216 96827-24-6, Carbopol 1342 138789-85-2, Pemulen TR

1 145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

IT 138789-85-2, Pemulen TR 1

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

RN 138789-85-2 HCPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 12 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1996:641086 HCPLUS

DN 125:256811
 TI Stable cosmetic emulsions containing carboxyvinyl polymers, oils, and gums
 IN Suzuki, Kazuaki; Tokue, Wataru; Ito, Kenzo
 PA Shiseido Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-00
 ICS C08L033-10
 CC 62-4 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08217627	A2	19960827	JP 1995-31193	19950220 <--
AB	The emulsions contain alkyl-modified carboxyvinyl polymers, oils, and gums. The emulsions do not practically contain surfactants. A cosmetic emulsion contg. liq. paraffin 10.0, squalane 3.0, Pemulen TR-2 (alkyl-modified carboxyvinyl polymer) 0.3, KOH 0.1, xanthan gum 0.2, glycerin 5.0, EtOH 5.0, methylparaben 0.1, and H2O to 100 wt.% was stable at 50.degree. for 1 mo.				
ST	carboxyvinyl polymer oil gum cosmetic emulsion				
IT	Gums and Mucilages (stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	Cyclosiloxanes Paraffin oils Petrolatum Siloxanes and Silicones, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	Vinyl compounds, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (carboxy-contg., polymers, stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	Cosmetics (emulsions, stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	Waxes and Waxy substances RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (jojoba, stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	Fats and Glyceridic oils RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (macadamia nut, stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	111-01-3, Squalane 541-02-6, Decamethylcyclopentasiloxane 7360-38-5, Glyceryl tri(2-ethylhexanoate) 9000-01-5, Gum arabic 9000-30-0, Guar gum 9016-00-6, Dimethyl siloxane 11138-66-2, Keltrol 31900-57-9, Dimethylsilanediol homopolymer 96827-24-6, Carbopol 1342 138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)				
IT	138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES				

(Uses)

(stable cosmetic emulsions contg. alkyl-modified carboxyvinyl polymers, oils, and gums)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1996:636776 HCAPLUS

DN 125:256810

TI Stable cosmetic emulsions containing carboxyvinyl polymers, oils, and glycyrrhizic acid salts

IN Tokue, Wataru; Sato, Hiroyoshi; Ito, Kenzo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS C07J063-00; C08L033-10

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP-08217625 A2 19960827 JP 1995-31192 19950220 <--

AB The emulsions contain alkyl-modified carboxyvinyl polymers, oils, and glycyrrhizic acid (I) salts. The emulsions do not practically contain surfactants. A cosmetic emulsion contg. liq. paraffin 10.0, squalane 3.0, Pemulen TR-2 (alkyl-modified carboxyvinyl polymer) 0.3, KOH 0.1, I monoammonium salt 1.0, glycerin 5.0, EtOH 5.0, methylparaben 0.1, and H₂O to 100 wt.% was stable at 50.degree. for 1 mo.

ST carboxyvinyl polymer glycyrrhizate oil cosmetic emulsion

IT Cyclosiloxanes

Lanolin

Olive oil

Paraffin oils

Petrolatum

Siloxanes and Silicones, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(stable cosmetic emulsions contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(carboxy-contg., polymers, stable cosmetic emulsions contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Cosmetics

(emulsions, stable cosmetic emulsions contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Waxes and Waxy substances

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(jojoba, stable cosmetic emulsions contg.

carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Fats and Glyceridic oils

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(macadamia nut, stable cosmetic emulsions contg.

carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT 111-01-3, Squalane 541-02-6, Decamethylcyclopentasiloxane 7360-38-5,
 Glyceryl tri(2-ethylhexanoate) 9016-00-6, Dimethyl siloxane
 31900-57-9, Dimethylsilanediol homopolymer 53956-04-0, Monoammonium
 glycyrrhizate 68797-35-3, Dipotassium glycyrrhizate 92353-16-7,
 Hexyldecanol 96827-24-6, Carbopol 1342 **138789-85-2**,

Pemulen TR 1 145687-02-1,

Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(stable cosmetic emulsions contg. carboxyvinyl
 polymers, oils, and glycyrrhizic acid salts)

IT **138789-85-2, Pemulen TR 1**

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(stable cosmetic emulsions contg. carboxyvinyl
 polymers, oils, and glycyrrhizic acid salts)

RN 138789-85-2 HCPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 14 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1996:636775 HCPLUS

DN 125:256809

TI Stable cosmetic emulsions containing carboxyvinyl
 polymers and carbohydrates

IN Sato, Hiroyoshi; Terai, Hideo; Ito, Kenzo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS C08L033-10

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 08217624 A2 19960827 JP 1995-31191 19950220 <--

AB The emulsions, which are mild to skin, contain alkyl-modified
 carboxyvinyl polymers and carbohydrates. The emulsions do not
 practically contain surfactants. A cosmetic
 emulsion contg. Pemulen TR-1
 (alkyl-modified carboxyvinyl polymer) 0.2, glycerin (moisturizer) 10.0,
 sorbitol 3.0 wt.%, etc. was formulated.

ST carboxyvinyl polymer carbohydrate cosmetic emulsion

IT Carbohydrates and Sugars, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(stable cosmetic emulsions contg. carboxyvinyl
 polymers and carbohydrates)

IT Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(carboxy-contg., polymers, stable cosmetic emulsions
 contg. carboxyvinyl polymers and carbohydrates)

IT Cosmetics

(emulsions, Stable cosmetic emulsions
 contg. carboxyvinyl polymers and carbohydrates)

IT 50-70-4, Sorbitol, biological studies 149-32-6, Erythritol 9004-61-9,
 Hyaluronic acid 9062-04-8, Carbopol 941 96827-24-6, Carbopol 1342

138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable cosmetic emulsions contg. carboxyvinyl polymers and carbohydrates)

IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable cosmetic emulsions contg. carboxyvinyl polymers and carbohydrates)

RN 138789-85-2 HCPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 15 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1996:431752 HCPLUS

DN 125:95581

TI Stable cosmetic emulsions containing no surfactants

IN Hosokawa, Kinya; Nishama, Seiji; Ito, Kenzo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B01J013-00

ICS A61K007-00; A61K007-06; A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

FAN:CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 08126831	A2	19960521	JP 1994-290407	19941031 <--
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AB An emulsion consists of (a) alkyl carboxyvinyl polymer such as acrylic acid-alkyl methacrylate copolymer, and (b) a C12-C28 liq. high member alc. at 25.degree., the alc. content being 0.5-5.0 wt. %. The oil content contg. silicone oil of the emulsion is 1-30 wt. %. Emulsified particles are uniform and small, and the emulsion is stable for a long period.

ST cosmetic emulsion methacrylate polymer alc oil

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(in stable cosmetic emulsions contg. no surfactants)

IT Cosmetics

(emulsions, stable cosmetic emulsions contg. no surfactants)

IT 79-41-4D, Methacrylic acid, alkyl ester, polymers 27458-93-1, Isostearyl alcohol 92353-16-7, Hexyldecanol 96827-24-6, Carbopol 1342

138789-85-2, Pemulen TR-1

145687-02-1, Pemulen TR-2

170754-45-7, 1-Tetradecanol, Decyl-

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(in stable cosmetic emulsions contg. no surfactants)

IT 138789-85-2, Pemulen TR-1

145687-02-1, Pemulen TR-2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(in stable cosmetic emulsions contg. no surfactants)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1995:967525 HCAPLUS

DN 123:349925

TI Emulsified compositions containing cyclodextrins and alkyl-modified carboxyvinyl polymers

IN Ito, Kenzo; Matsuda, Haku

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B01J013-00

ICS A61K007-00; A61K009-107; A61K047-32; A61K047-40

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 07241457 A2 19950919 JP 1994-60232 19940304 <--

AB Emulsified compns. contg. cyclodextrin and/or its derivs., oily components, and alkyl-modified carboxyvinyl polymers are claimed. The emulsified compns. show high storage stability in the absence of surfactants and are useful for manufg. cosmetics.

Hydroxypropyl-.beta.-cyclodextrin 3.0, squalane 2.0, Pemulen

TR 2 (alkyl-modified carboxyvinyl polymer) 0.5, KOH 0.2,

EtOH 10.0, methylparaben 0.15 wt.%, and H₂O balance were mixed to give an emulsion, which was stored at 50.degree. for 1 mo to show no sepn.

of oil, while a control emulsion contg. laponite instead of Pemulen TR 2 showed obvious sepn. of oil.

ST cyclodextrin alkylated carboxyvinyl polymer emulsion; emulsion cosmetic alkylated carboxyvinyl polymer

IT Emulsifying agents

(emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)

IT Cosmetics

(emulsions, emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)

IT 12619-70-4, Cyclodextrin 12619-70-4D, Cyclodextrin, maltosyl derivs. 107745-73-3, Hydroxypropyl .beta.-cyclodextrin 114101-73-4, Dexy Pearl K 50

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)

IT 79-10-7D, Acrylic acid, polymers with alkyl methacrylates 79-41-4D, Methacrylic acid, alkyl esters, polymers with acrylic acid 9062-04-8, Carbopol 941 96827-24-6, Carbopol 1342 138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)

IT 138789-85-2, Pemulen TR 1

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
 BIOL (Biological study); USES (Uses)
 (emulsified compns. contg. cyclodextrin (derivs.), oils, and
 alkyl-modified carboxyvinyl polymers for cosmetics)

RN 138789-85-2 HCPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 17 OF 18 HCPLUS COPYRIGHT 2001 ACS

AN 1994:279857 HCPLUS

DN 120:279857

TI Cosmetic composition in the form of a water/oil/water triple emulsion with gelled external phase

IN Nadaud, Jean Francois; Sebillotte, Laurence

PA Oreal S. A., Fr.

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K009-113

ICS A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9402120	A1	19940203	WO 1993-FR714	19930713 <--
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2693733	A1	19940121	FR 1992-8870	19920717 <--
	FR 2693733	B1	19940916		
	EP 650352	A1	19950503	EP 1993-915994	19930713 <--
	EP 650352	B1	19960911		
	R: BE, CH, DE, ES, FR, GB, IT, LI, SE				
	JP 07509177	T2	19951012	JP 1993-504195	19930713 <--
	AU 670448	B2	19960718	AU 1993-45732	19930713 <--
	ES 2091625	T3	19961101	ES 1993-915994	19930713 <--
	US 5798108	A	19980825	US 1995-373209	19950310 <--

PRAI FR 1992-8870 19920717 <--

WO 1993-FR714 19930713 <--

AB A cosmetic compn. is comprised of a gelled water/oil/water triple emulsion contg. (A) a fatty phase comprising .gtoreq.1 wax having a m.p. of .gtoreq. 60.degree.C and forming the primary water/oil emulsion with an aq. phase; (B) a diln. oil; (C) a gelled continuous external aq. phase comprising .gtoreq.1 gelling agent having a fatty chain of the monoethylene C3-6 carboxylic acid or acid anhydride copolymer type or a fatty chain acrylic ester. The amt. of fatty phase from the water/oil emulsion is 1-30% and the amt. of wax having a m.p. of .gtoreq. 60.degree. is 0.2-10%, based on the total wt. of the triple emulsion. A cream contained vaseline oil 2.7, white vaseline 2, lanolin 0.8, beeswax 1.05, Noremulsol G5 0.1, cholesterol 0.08, lecithin 0.06, hydrogenated lecithin 0.07, water 3.14, Purcellin oil 10, Carbopol 1342 0.6, triethanolamine 0.6, glycerin 3, preservatives and fragrances q.s.; and water q.s. 100g.

ST cosmetic compn wax gelling agent; carboxylic acid fatty ester

cosmetic compn; beeswax Noremulsol Carbopol

cosmetic compn; Purcellin oil beeswax Noremulsol

cosmetic compn

IT Beeswax

Carnauba wax

Ozocerite

Hydrocarbon oils
Lanolin
Lecithins
Petrolatum
Waxes and Waxy substances
RL: BIOL (Biological study)
(cosmetic compn. contg., triple emulsion)

IT Sulfonates
RL: BIOL (Biological study)
(alkane, C12-18, cosmetic compn. contg., triple emulsion)

IT Fats and Glyceridic oils
RL: BIOL (Biological study)
(animal, cosmetic compn. contg., triple emulsion)

IT Surfactants
(anionic, cosmetic compn. contg., triple emulsion)

IT Essential oils
RL: BIOL (Biological study)
(bitter almond, cosmetic compn. contg., triple emulsion)

IT Vinyl compounds, polymers
RL: BIOL (Biological study)
(carboxy-contg., polymers, cosmetic compn. contg., triple emulsion)

IT Fatty acids, esters
RL: BIOL (Biological study)
(esters, cosmetic compn. contg., triple emulsion)

IT Alcohols, biological studies
RL: BIOL (Biological study)
(fatty, cosmetic compn. contg., triple emulsion)

IT Lecithins
RL: BIOL (Biological study)
(hydrogenated, cosmetic compn. contg., triple emulsion)

IT Alcohols, biological studies
Fatty acids, biological studies
RL: BIOL (Biological study)
(lanolin, cosmetic compn. contg., triple emulsion)

IT Waxes and Waxy substances
RL: BIOL (Biological study)
(mineral, cosmetic compn. contg., triple emulsion)

IT Surfactants
(nonionic, cosmetic compn. contg., triple emulsion)

IT Fats and Glyceridic oils
RL: BIOL (Biological study)
(vegetable, cosmetic compn. contg., triple emulsion)

IT 637-12-7, Alugel 44M 9000-07-1, Carrageenan 11138-66-2, Xanthan 28474-30-8, Poly(glyceryl methacrylate) 76050-42-5, Carbomer 940 77752-14-8, Purcellin oil 96827-24-6, Carbopol 1342 138789-85-2 , Pemulen tr1 145687-02-1, Pemulen tr2 148093-12-3, Sepigel 305 154765-75-0, Noremulsol G 5
RL: BIOL (Biological study)
(cosmetic compn. contg., triple emulsion)

IT 7664-93-9D, Sulfuric acid, C12-18 alkyl derivs.
RL: BIOL (Biological study)
(n)

IT 138789-85-2, Pemulen tr1 145687-02-1
, Pemulen tr2
RL: BIOL (Biological study)
(cosmetic compn. contg., triple emulsion)

RN 138789-85-2 HCAPLUS
CN Pemulen TR 1 (9CI) (CA INDEX NAME)

RN 145687-02-1 HCAPLUS
 CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2001 ACS
 AN 1988:555977 HCAPLUS
 DN 109:155977
 TI Stable and quick-breaking topical skin compositions from oil-in-water emulsions containing acrylic polymers
 IN Lochhead, Robert Yeats; Castaneda, Janet Yvonne; Hemker, Wilfried James
 PA Goodrich, B. F., Co., USA
 SO Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM A61K007-48
 ICS A61K009-10
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 268164	A2	19880525	EP 1987-116398	19871106 <--
	EP 268164	A3	19890315		
	EP 268164	B1	19931222		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 98864	E	19940115	AT 1987-116398	19871106
	ES 2061470	T3	19941216	ES 1987-116398	19871106
	JP 63185438	A2	19880801	JP 1987-281162	19871109
	BR 8706065	A	19880614	BR 1987-6065	19871110
	CN 87107781	A	19880831	CN 1987-107781	19871110
	US 5004598	A	19910402	US 1989-358924	19890531
PRAI	US 1986-928755		19861110		
	EP 1987-116398		19871106		

AB A storage-stable quick-breaking oil-in-water emulsion compn. comprises water, oil, and a modified polymer with water forming the continuous phase and oil the discontinuous phase of oil droplets dispersed in the water. The polymers is a copolymer with a major portion of a C3-6 monoolefinically unsatd. carboxylic acid or anhydride monomer and a minor portion of a long chain acrylate ester monomer. The emulsion breaks quickly on contact with an electrolyte. The acid or anhydride portion may be 90-98 wt.% and the ester portion 2-10 wt.%. The acid may be CH₂:C(R)COOH where R = H, halogen, OH, lactone, lactam, cyano, alkyl, aryl, aralkyl, alkaryl, or cycloaliph. group. A modified acrylic acid polymer contg. a small amt. of long chain alkyl acrylate was prep'd. from acrylic acid, stearyl methacrylate, and allyl pentaerythritol with lauryl peroxide, the modified polymer in powd. form was dispersed in cold deionized water, and mineral oil was added followed by triethanolamine as neutralizing agent to give an oil-in-water emulsion with droplet size .apprx.20-60 .mu.m and pH .apprx.5 which was stable >24 mo at room temp. and broke on contact with skin to release the oil. Moisturizing lotions, a barrier cream, a cleansing lotion, a waterless hand cleaner, a sunscreen lotion, and an aftershave were prep'd. using similar emulsions prep'd. with this polymer.

ST acrylic acid acrylate copolymer emulsion; methacrylic acid acrylate copolymer emulsion; oil water quick breaking emulsion

IT Paraffin oils

Siloxanes and Silicones, biological studies .

RL: BIOL (Biological study)

(cosmetic emulsions contg.; with acrylic polymers, quick-breaking and storage-stable)

IT Acrylic polymers, biological studies

RL: BIOL (Biological study)

(oil-in-water emulsions contg., quick-breaking storage-stable, for cosmetics)

IT Cosmetics
 (oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Shaving preparations
 (aftershaves, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Cosmetics
 (creams, barrier, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Cosmetics
 (emulsions, oil-in-water, contg. acrylic polymers, quick-breaking and storage-stable)

IT Detergents
 (hand cleaners, waterless, oil-in-water emulsions for, contg. acrylic polymers, quick, breaking and storage-stable)

IT Cosmetics
 (moisturizers, lotions, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Sunburn and Suntan
 (sunscreens, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT 79-41-4D, Methacrylic acid, polymers with alkyl oxirane=carbonyloxirane copolymer acrylate and Et acrylate 140-88-5D, polymers with alkyl oxirane-carbonyloxyethylene copolymer acrylate and methacrylic acid 95175-69-2, Acrylic acid-allyl pentaerythritol-stearyl methacrylate copolymer 116901-65-6D, alkyl derivs., polymers with Et acrylate and methacrylic acid
 RL: BIOL (Biological study)
 (oil-in-water emulsions contg., quick-breaking storage-stable, for cosmetics)

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 DICTIONARY FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5

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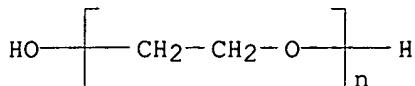
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Structure search limits have been increased. See HELP SLIMIT for details.

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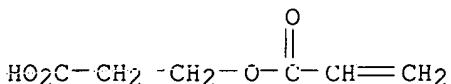
L11 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 116901-65-6 REGISTRY
 CN 2-Propenoic acid, 2-carboxyethyl ester, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with 2-carboxyethyl 2-propenoate (9CI)
 MF (C₆ H₈ O₄ . (C₂ H₄ O)_n H₂ O)x
 CI PMS
 PCT Polyacrylic, Polyether
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

CRN 25322-68-3
 CMF (C₂ H₄ O)_n H₂ O
 CCI PMS



CM 2

CRN 24615-84-7
 CMF C₆ H₈ O₄



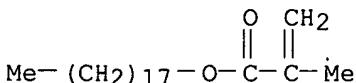
1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 109:155977

L11 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 95175-69-2 REGISTRY
 CN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with
 3,3'-(2,2-bis[(2-propenoxy)methyl]-1,3-propanediyl)bis(oxy)bis[1-
 propene] and 2-propenoic acid (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Propene, 3,3'-(2,2-bis[(2-propenoxy)methyl]-1,3-
 propanediyl)bis(oxy)bis-, polymer with octadecyl 2-methyl-2-propenoate
 and 2-propenoic acid (9CI)
 CN 2-Propenoic acid, polymer with 3,3'-(2,2-bis[(2-propenoxy)methyl]-1,3-
 propanediyl)bis(oxy)bis[1-propene] and octadecyl 2-methyl-2-propenoate
 (9CI)
 OTHER NAMES:
 CN Acrylic acid-allyl pentaerythritol-stearyl methacrylate copolymer
 MF (C₂₂ H₄₂ O₂ . C₁₇ H₂₈ O₄ . C₃ H₄ O₂)_x
 CI PMS, COM
 PCT Polyacrylic, Polyvinyl
 LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

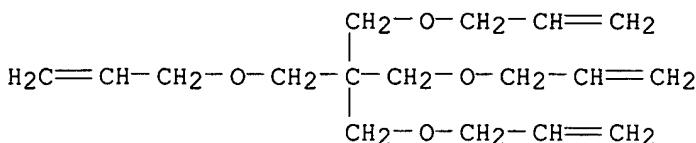
CM 1

CRN 32360-05-7
 CMF C₂₂ H₄₂ O₂

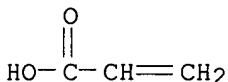


CM 2

CRN 1471-18-7
 CMF C₁₇ H₂₈ O₄



CM 3

CRN 79-10-7
CMF C3 H4 O2

4 REFERENCES IN FILE CA (1967 TO DATE)

4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 119:278771

REFERENCE 2: 109:155977

REFERENCE 3: 105:98599

REFERENCE 4: 102:115099

L11 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2001 ACS

RN 140-88-5 REGISTRY

CN 2-Propenoic acid, ethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic acid ethyl ester (6CI, 8CI)

OTHER NAMES:

CN 2-Propenoic acid ethyl ester

CN Ethyl 2-propenoate

CN Ethyl acrylate

CN Ethyl acrylic ester

CN Ethyl propenoate

FS 3D CONCORD

MF C5 H8 O2

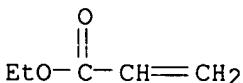
CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*,
EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*,
HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXLINE, TOXLIT,
TULSA, ULIDAT, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



5541 REFERENCES IN FILE CA (1967 TO DATE)

944 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

5547 REFERENCES IN FILE CAPLUS (1967 TO DATE)

209 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:184535
 REFERENCE 2: 135:182314
 REFERENCE 3: 135:182190
 REFERENCE 4: 135:180951
 REFERENCE 5: 135:180559
 REFERENCE 6: 135:167142
 REFERENCE 7: 135:167054
 REFERENCE 8: 135:166685
 REFERENCE 9: 135:160158
 REFERENCE 10: 135:153141

L11 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2001 ACS

RN - 79-41-4 - REGISTRY

CN 2-Propenoic acid, 2-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Methacrylic acid (8CI)

OTHER NAMES:

CN .alpha.-Methacrylic acid

CN .alpha.-Methylacrylic acid

CN 2-Methyl-2-propenoic acid

CN 2-Methylacrylic acid

CN GE 110

CN Loctite 3298

CN Methylacrylic acid

FS 3D CONCORD

MF C4 H6 O2

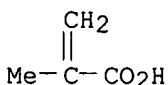
CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXLINE, TOXLIT, TRCTHERMO*, TULSA, ULIDAT, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



13842 REFERENCES IN FILE CA (1967 TO DATE)

7727 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

13866 REFERENCES IN FILE CAPLUS (1967 TO DATE)

11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:189386
 REFERENCE 2: 135:187748
 REFERENCE 3: 135:185210
 REFERENCE 4: 135:184535

REFERENCE 5: 135:182928

REFERENCE 6: 135:182926

REFERENCE 7: 135:182380

REFERENCE 8: 135:182244

REFERENCE 9: 135:182095

REFERENCE 10: 135:181944

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	790	("514/938").CCLS.	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:56
2	L2	3091	("424/401").CCLS.	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:56
3	L3	358	("424/70.16").CCLS.	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:57
4	L4	26347	(oil adj2 water) same emulsion	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:32
5	L5	505617	copolymer copolymerize copolymerization copolymerise copolymerisation	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:59
6	L6	377870	(carboxylic acrylic methacrylic arylcarboxylic alkylcarboxylic lactocarboxylic) near3 acid	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:05

	L #	Hits	Search Text	DBs	Time Stamp
7	L7	2909	alkylacrylate decylacrylate laurylacrylate stearylacrylate behenylacrylate melissylacrylate decylmethacrylate laurylmethacrylate stearylmethacrylate behenylmethacrylate melissylmethacrylate decylmethylacrylate laurylmethylacrylate stearyl methylacrylate behenylmethylacrylate melissylmethylacrylate	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:07
8	L8	8606	methyldecylacrylate methyl lauryl acrylate methyl stearyl acrylate methyl behenyl acrylate methyl melissyl acrylate ((decyl lauryl stearyl behenyl melissyl) adj (acrylate methylacrylate methacrylate))	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:08
9	L9	158	(pemulen near3 (tr1 tr2)) (carbopol near3 "1382")	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
10	L10	112727 or 8 or 9		USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
11	L11	1914	5 same 6 same 10	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
12	L12	110	11 and 4	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09

	L #	Hits	Search Text	DBs	Time Stamp
13	L13	34	12 and (2 or 3)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
14	L14	12	12 and 1	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
15	L15	11	13 and 14	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:14
16	L16	30163 7	(particle globule) near3 (size micron micrometer um)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:20
17	L17	7	15 and 16	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:17
18	L18	30542 4	(particle globule oil oily fatty) near3 (size micron micrometer um)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:47
19	L19	7	15 and 18	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:20
20	L20	7056	(oil oily fatty) near3 (size micron micrometer um)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:21

	L #	Hits	Search Text	DBs	Time Stamp
29	L31	1426	(oil adj2 water) same microemulsion	USPAT; EPO; JPO; DERVENT	2001/09/01 19:35
30	L32	1	11 and 31	USPAT; EPO; JPO; DERVENT	2001/09/01 19:36
31	L33	76	12 not 13	USPAT; EPO; JPO; DERVENT	2001/09/01 19:36
32	L34	43	33 and 18	USPAT; EPO; JPO; DERVENT	2001/09/01 19:36
33	L35	27	34 and @py<1997	USPAT; EPO; JPO; DERVENT	2001/09/01 19:37
34	L36	157856	cosmetic cosmetically ((skin hair nail lip) near3 (care composition cream creme lotion ointment gel mousse spray aerosol)) shampoo makeup blusher eyeshadow eyeliner lipstick mascara lipgloss (nail adj (enamel polish lacquer varnish))	USPAT; EPO; JPO; DERVENT	2001/09/01 19:40
35	L37	27	33 and 36	USPAT; EPO; JPO; DERVENT	2001/09/01 19:41